

**We claim:**

1. A one-piece stamped compressible spring pin comprising:

at least one outer shell;

a base; and

a pin comprising:

a contact point at an end opposite the base, and a central portion located between the base and the contact point;

wherein the central portion is rippled with waves to impart spring characteristics to the pin;

wherein the at least one outer shell, base, and pin are integrally formed from a single piece of sheet metal, and the outer shell and pin extend from separate edges of the base.

2. The spring pin of claim 1, wherein the sheet metal is a conductive material.

3. The spring pin of claim 2, wherein the sheet metal is at least one of beryllium copper and phosphor bronze.

4. The spring pin of claim 1, wherein at least the contact point is plated.
5. The spring pin of claim 1, wherein the pin further comprises a broadened flap at an end opposite the base.
6. The spring pin of claim 5, wherein the broadened flap is rolled to form the contact point.
7. A method of making a one-piece stamped compressible spring pin comprising the steps of:
  - stamp a predetermined shape out of a single piece of sheet metal;
  - wherein the predetermined shape has at least one wing, a central area, and a substantially orthogonal extension protruding from the central area;
  - stamping clearance cuts and through holes in the predetermined shape;
  - rippling a portion of the orthogonal extension to form at least one wave to impart spring characteristics to the orthogonal extension;
  - forming a cup-shape in the at least one wing to produce an outer shell;
  - bending the orthogonal extension to an angle perpendicular to the central area;
  - and

bending the predetermined shape to at least partially cover the orthogonal extension with the outer shell.

8. The method of claim 7 further comprising the step of:

plating at least a portion of the orthogonal extension.

9. The method of claim 7, wherein the predetermined shape further comprises two wings.